Dear Colleagues,

Here is a useful list of 57 outstanding articles on research methods. Many are applicable to design research.

Michael Whitman and Amy Woszczynski of Kennesaw State University compiled this list as an essential reading list for a master's level course on research methods in information science. They started with over 1,200 citations proposed by scholars around the world. They reviewed the 1,200 proposals to select the citations that they feel best represent outstanding works on research and methodology. All items are published in scholarly journals.

Much like design research, information science includes many important themes and subject. This list covers works ON research and methodology.

This collection will be of great value for design research projects close to information science, systems theory, and social informatics as well as engineering design and software design.

It is also be useful to other areas of design research. This is an important resource for research methods courses and a good source of methods that can be used in design research.

Ken Friedman

"A review of MIS research and disciplinary development"
Journal of Management Information Systems

"A keyword classification scheme for IS research literature: An Update"
MIS Quarterly

"The Problem Of Statistical Power In MIS Research"
MIS Quarterly

"A Critical Perspective on Action Research as a Method for Information Systems Research"
Journal of Information Technology
"A Critique of the Stage Hypothesis: Theory and Empirical Evidence"  
Communications of the ACM

"The Case Research Strategy in Studies of Information Systems"  
MIS Quarterly

"Research commentary: Rethinking 'diversity' in information systems research"  
Information Systems Research

"Empirical Research in Information Systems: The Practice of Relevance"  
MIS Quarterly

Cavaye, A. (1996)  
"Case study research: a multi-faceted research approach for IS"  
Information Systems Journal

"The evolution of empirical research in IS, A study of IS maturity"  
Information & Management

"On the use, usefulness, and ease of use of structural equation modeling in MIS research: A note of caution"  
MIS Quarterly

Cooper, R., Blair, D., Pao, M. & Pao, L. (1993)  
"Communicating MIS Research: A Citation Study of Journal Influence"  
Information Processing & Management

Culnan, M. (1987)  
"Mapping the Intellectual Structure of MIS, 1980-1985: A Co-Citation Analysis"  
MIS Quarterly

Culnan, M. & Swanson, E. (1986)  
MIS Quarterly

"Successfully completing case study research: combining rigour, relevance and pragmatism"  
Information Systems Journal

Dickson, G., Senn, J. & Chervany, N. (1977)  
"Research in Management Information Systems: The Minnesota Experiments"  
Management Science

"Improving Management Information Systems Research: Question Order"
**Effects in Surveys**
Information Systems Journal

Gable, G. (1994)
"Integrating Case Study and Survey Research Methods: An Example in Information Systems"
European Journal of Information Systems

"Choosing Appropriate Information Systems Research Methodologies"
Communications of the ACM

"Structural Equation Modeling and Regression: Guidelines for Research Practice"
Communications of the AIS

"Analyzing Methodological Rigor of MIS Survey Research from 1980-1989"
Information & Management

"Knowledge utilization among MIS researchers"
MIS Quarterly

"MIS Research Strategies"
Information & Management

Holsapple, C., Johnson, L., Manakyan, H. & Tanner, J. (1994)
"Business Computing Research Journals: A Normalized Citation Analysis"
Journal of Management Information Systems

"User Response Data: The Potential for Errors and Biases"
Information Systems Research

"The Use of Meta-Analysis in MIS Research: Promises and Problems"
The Data Base for Advances in Information Systems

"A Framework for Research in Computer-Based Management Information Systems"
Management Science

"The Importance of Laboratory Experimentation in Information Systems Research"
Communications of the ACM

"Methodological Issues in Experimental IS Research: Experiences and Recommendations"
MIS Quarterly

"Combining Qualitative and Quantitative Methods in Information Systems Research: A Case Study"
MIS Quarterly

Klein, B., Goodhue, D. & Davis, G. (1997)
"Can humans detect errors in data? Impact of base rates, incentives, and goals"
MIS Quarterly

"A Set of Principles for Conducting and Evaluating Interpretive Field Studies in Information Systems"
MIS Quarterly

"Understanding Qualitative Data: A Framework of Text Analysis Methods"
Journal of Management Information Systems

"A Scientific Methodology for MIS Case Studies"
MIS Quarterly

"Rigor and Relevance in MIS Research: Beyond the Approach of Positivism Alone"
MIS Quarterly

"Discovery and Representation of Causal Relationships in MIS Research: A Methodological Framework" MIS Quarterly

Lyytinen, K. (1999)
"Empirical research in information systems: On the relevance of practice in thinking of IS research"
MIS Quarterly

Mason, R. & Mitroff, I. (1973)
"A Program for Research on Management Information Systems"
Management Science

Myers, M. (1999)
"Investigating Information Systems with Ethnographic Research"
Communications of the AIS

"Toward a comprehensive framework for MIS research"
MIS Quarterly

"Research notes - Information systems research: The 'infurgic' perspective"
International Journal of Information Management
"Studying Information Technology in Organizations: Research Approaches and Assumptions"
Information Systems Research

"Survey research methodology in management information systems: An assessment"
Journal of Management Information Systems

Remenyi, D. & Williams, B. (1996)
"The nature of research: qualitative or quantitative, narrative or paradigmatic?"
Information Systems Journal

"Research commentary: Diversity in information systems research: Threat, promise, and responsibility" Information Systems Research

"Beyond rigor and relevance: Producing consumable research about information systems"
Information Resources Management Journal

"Assessing the unidimensionality of measurement: A paradigm and illustration within the context of information systems research"
Omega

"Construct Measurement in Information Systems Research: An Illustration in Strategic Systems"
Decision Sciences

"Qualitative research: meanings or practices?"
Information Systems Journal

"Validating Instruments in MIS Research"
MIS Quarterly

"Normative Standards for IS Research"
Data Base

"Information Systems Research Thematics: Submissions to a new journal, 1987-1992"
Information Systems Research

Teng, J. & Galletta, D. (1990)
"MIS Research Directions: A survey of researchers' views"
"The emergence of interpretism in IS research"  
Information Systems Research

"Toward a Theory of Artifacts: A Paradigmatic Base for Information Systems Research"  
Information Systems

"An Assessment of the Contingency Theory of Management Information Systems"  
Journal of Management Information Systems

Westfall, R. (1999)  
"An IS Research Relevance Manifesto"  
Communications of the AIS

Zmud, R. (1978)  
"On the Validity of the Analytical-Heuristic Instrument utilized in 'The Minnesota Experiments'"  
Management Science